**2006-08 ACCESSORIES & EQUIPMENT**

**Power Moonroof - Civic**

## COMPONENT LOCATION INDEX

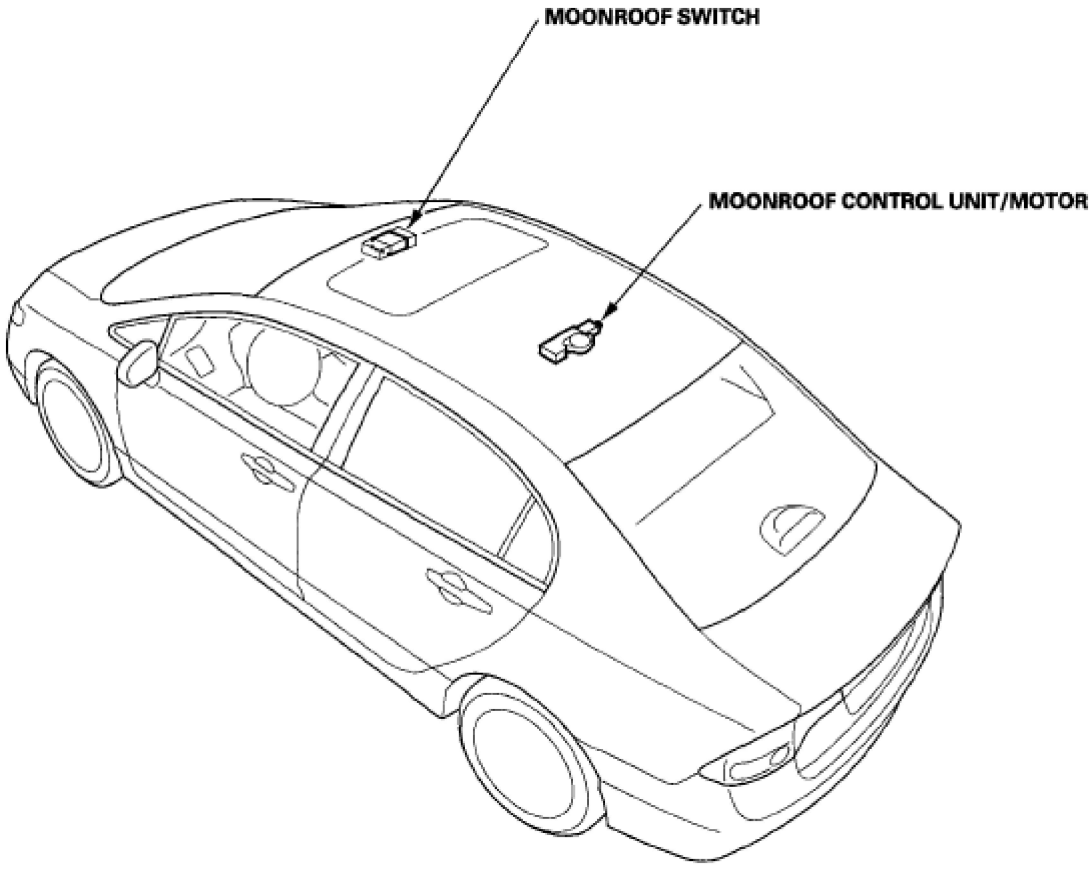



**Fig. 1: Locating Power Moonroof Components**

## RESETTING THE MOONROOF CONTROL UNIT

Resetting the moonroof is required when any of the following have occurred:

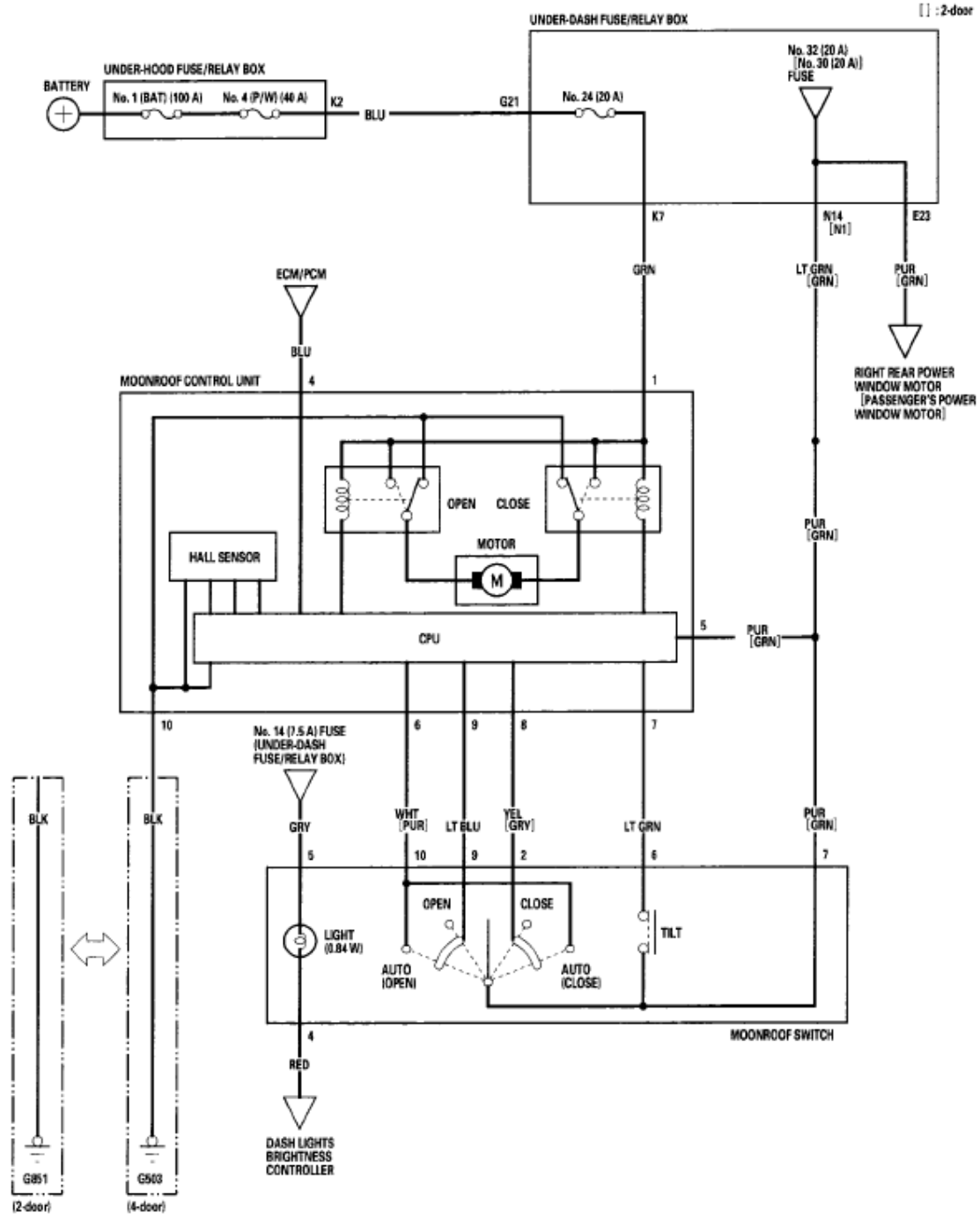
- The moonroof was moved manually while the battery was dead or disconnected.
- The moonroof motor was replaced with a new one.
- Any of components related to the moonroof were replaced.
  - -Wind deflector
  - -Moonroof glass

-Moonroof seal
-Moonroof glass bracket
-Moonroof cables, etc.

To reset the moonroof control unit, do these steps:

1. Close the driver's door, and keep it closed until the procedure is complete.
2. Turn the ignition switch OFF.
3. Press and hold the tilt switch, and turn the ignition switch ON (II).
4. Release the tilt switch, and turn the ignition switch OFF.
5. Repeat steps 3 and 4 four times.
6. Press and hold the moonroof open switch for 3 additional seconds after the moonroof is fully opened.
7. Press and hold the moonroof close switch for 3 additional seconds after the moonroof is fully closed (tilted).
8. Confirm that the moonroof control unit is reset by using the moonroof AUTO OPEN and AUTO CLOSE function.

## CIRCUIT DIAGRAM




## Fig. 2: Power Moonroof Circuit Diagram (06-07' Models)

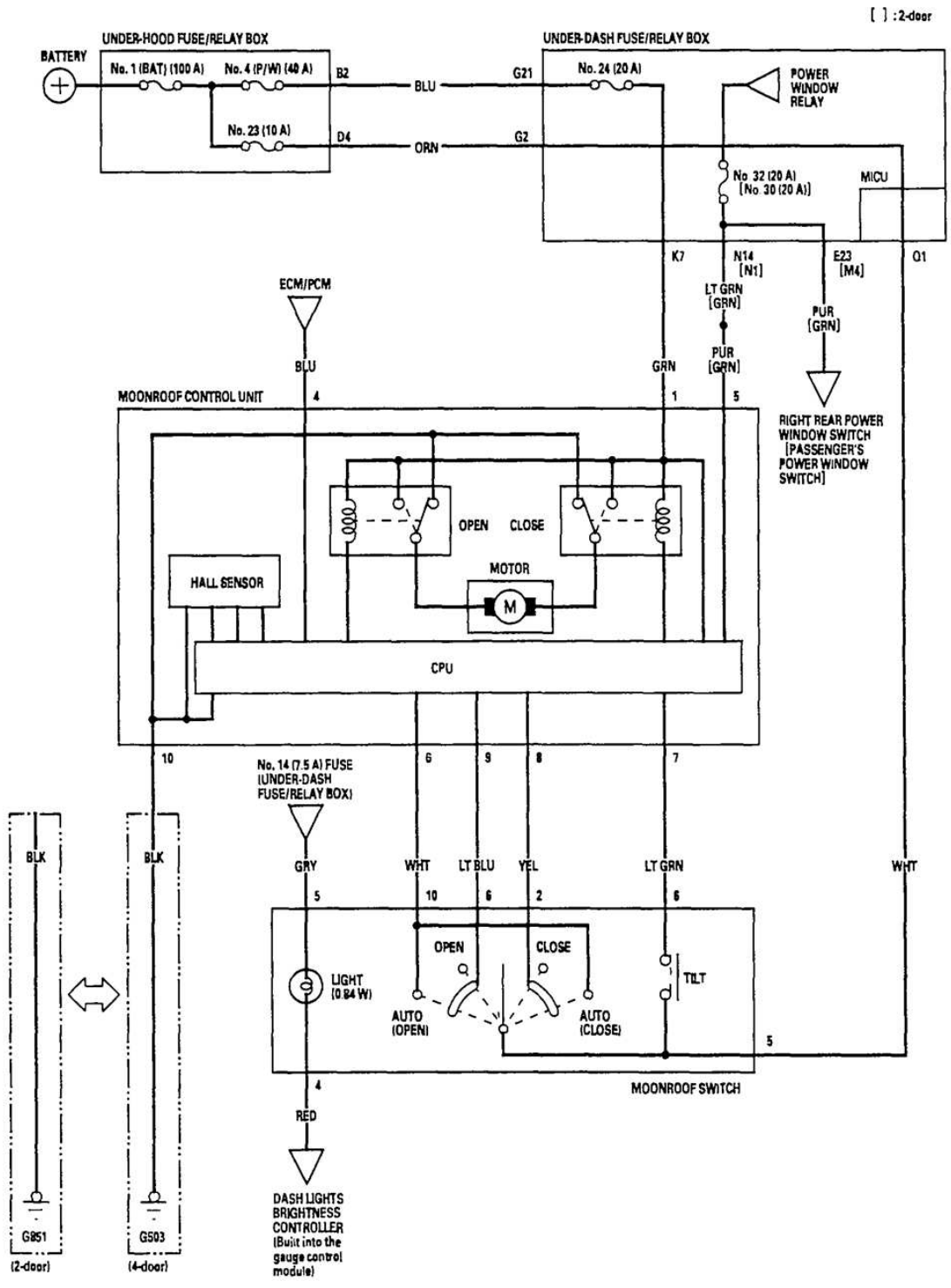



**Fig. 3: Power Moonroof Circuit Diagram (08' Model)**
**Courtesy of AMERICAN HONDA MOTOR CO., INC.**

## MOONROOF CONTROL UNIT INPUT TEST

**NOTE: If the moonroof works OK manually, but will not work in AUTO, or reverses frequently (obstacle detection), do the moonroof calibration (see RESETTING THE MOONROOF CONTROL UNIT ) before proceeding with the input test.**

1. Turn the ignition switch OFF.
2. Remove the headliner (see **HEADLINER REMOVAL/INSTALLATION** ).
3. Disconnect the 10P connector (A) from the moonroof control unit (B).

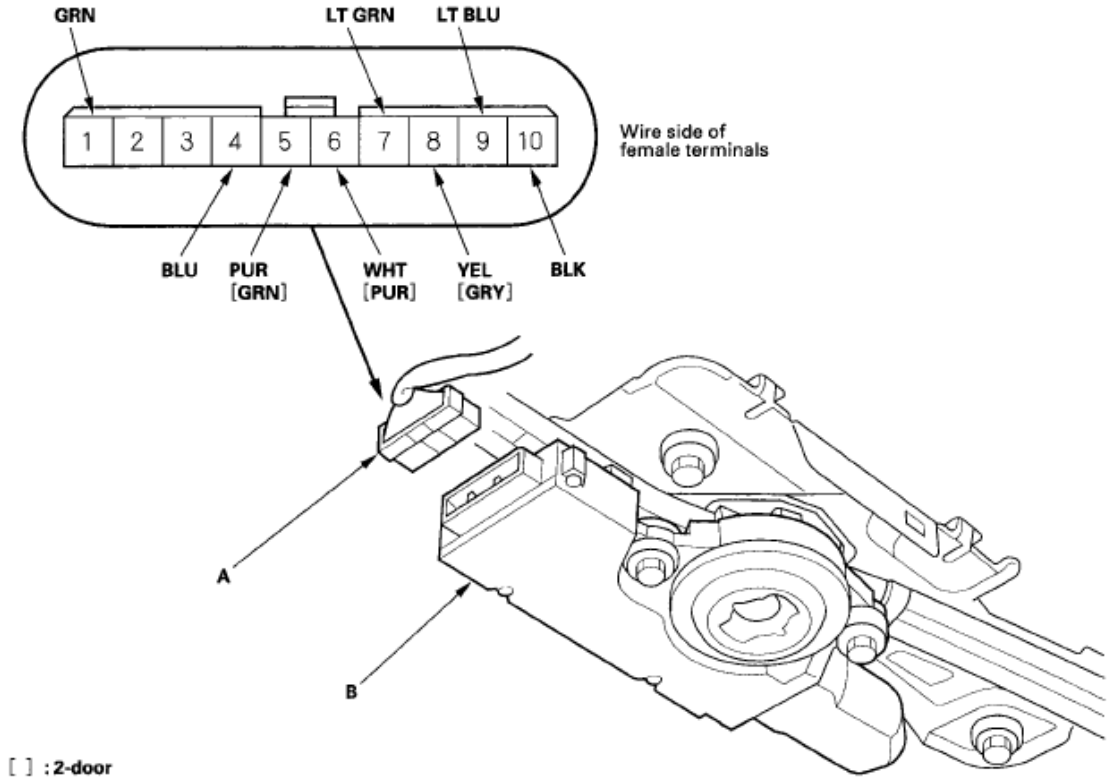



**Fig. 4: Disconnecting 10P Connector From Moonroof Control Unit**

4. Inspect the connector and socket terminals to be sure they are all making good contact.
   - If the terminals are bent, loose or corroded, repair them as necessary, and recheck the system.
   - If the terminals look OK, go to step 5.
5. Reconnect the connector to the control unit, and make these input tests at the connector.

- If any test indicates a problem, find and correct the cause, then recheck the system.
- If all the input tests prove OK, go to step 6.

**MOONROOF CONTROL UNIT INPUT TEST (1 OF 2)**

| Cavity | Wire | Test condition | Test: Desired result | Possible cause if result is not obtained |
|---|---|---|---|---|
| 1 | GRN | Under all conditions | Check for voltage to ground: There should be battery voltage. | • Blown No. 24 (20 A) fuse in the under-dash fuse/relay box<br>• An open in the wire |
| 5 | PUR [GRN] | Ignition switch ON (ID | Check for voltage to ground: There should be battery voltage. | • Blown No. 32 (20 A) [No.30 (20 A)] fuse in the under-dash fuse/relay box<br>• An open in the wire |
| 10 | BLK | Under all conditions | Check for voltage to ground: There should be less than 0.5 V. | • Poor ground (G503) [G851]<br>• An open in the wire |
| 6 | WHT [PUR] | Moonroof switch in AUTO OPEN or AUTO CLOSE position | Check for voltage to ground at the No. 5 and No. 6 terminals: There should be battery voltage. | • Faulty moonroof switch<br>• An open in the wire |
| | | Moonroof | Check for voltage to ground at the | • Faulty moonroof |

| | | | | |
|---|---|---|---|---|
| 7 | LT GRN | switch in TILT position | No. 5 and No. 7 terminals: There should be battery voltage. | switch<br>• An open in the wire |
| 8 | YEL [GRY] | Moonroof switch in CLOSE position | Check for voltage to ground at the No. 5 and No. 8 terminals: There should be battery voltage. | • Faulty moonroof switch<br>• An open in the wire |
| 9 | LT BLU | Moonroof switch in OPEN position | Check for voltage to ground at the No. 5 and No. 9 terminals: There should be battery voltage. | • Faulty moonroof switch<br>• An open in the wire |
| [ ] :2-door | | | | |

- Check the ECM/PCM DTCs. If there is no DTC, jump the SCS line with the HDS, then disconnect the ECM/PCM connector A (44P), and the moonroof control unit/motor 10P connector.
- Make these input tests at the connector.
  - If any test indicates a problem, find and correct the cause, then recheck the system.
  - If all the input tests prove OK, the control unit must be faulty; replace the moonroof control unit/motor.

**MOONROOF CONTROL UNIT INPUT TEST (2 OF 2)**

| Cavity | Wire | Test condition | Test: Desired result | Possible cause if result is not obtained |
|---|---|---|---|---|
| | | | Check for continuity between the No. 4 terminal | An open in |

| | | | | |
|---|---|---|---|---|
| 4 | BLU | Under all conditions | and ECM/PCM connector A (44P) No. 29 terminal: There should be continuity. | the wire |
| | | | Check for continuity between the No. 4 terminal and body ground: There should be no continuity. | A short to ground in the wire |

## MOONROOF SWITCH TEST/REPLACEMENT

**06-07' MODELS**

1. Remove the front individual map lights (see **FRONT INDIVIDUAL MAP LIGHT TEST/REPLACEMENT** ).
2. Disconnect the moonroof switch 10P connector (A) and map light switch 3P connector (B).

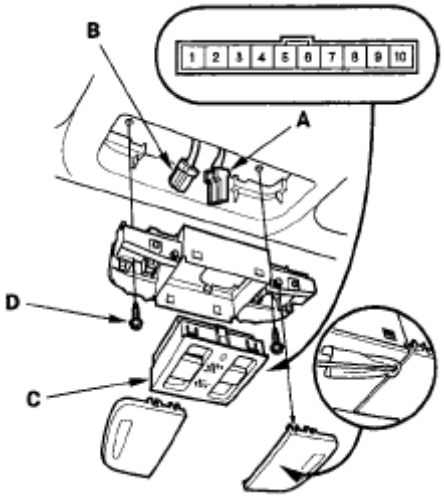



**Fig. 5: Disconnecting Moonroof Switch 10P Connector And Map Light Switch 3P Connector**

3. Remove the moonroof switch (C).
4. Check for continuity between the terminals in each switch position according to **Fig. 6** .

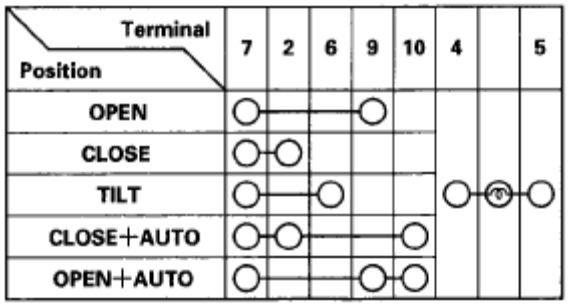



**Fig. 6: Identifying Moonroof Switch Continuity Table**

5. If the continuity check is not as specified, replace the illumination bulb (D) or the switch.
6. Install the switch and light in the reverse order of removal.

**08' MODEL**

1. Remove the front individual map lights (see **FRONT INDIVIDUAL MAP LIGHT TEST/REPLACEMENT** ).
2. Disconnect the moonroof switch 10P connector (A) and map light switch 3P connector (B).

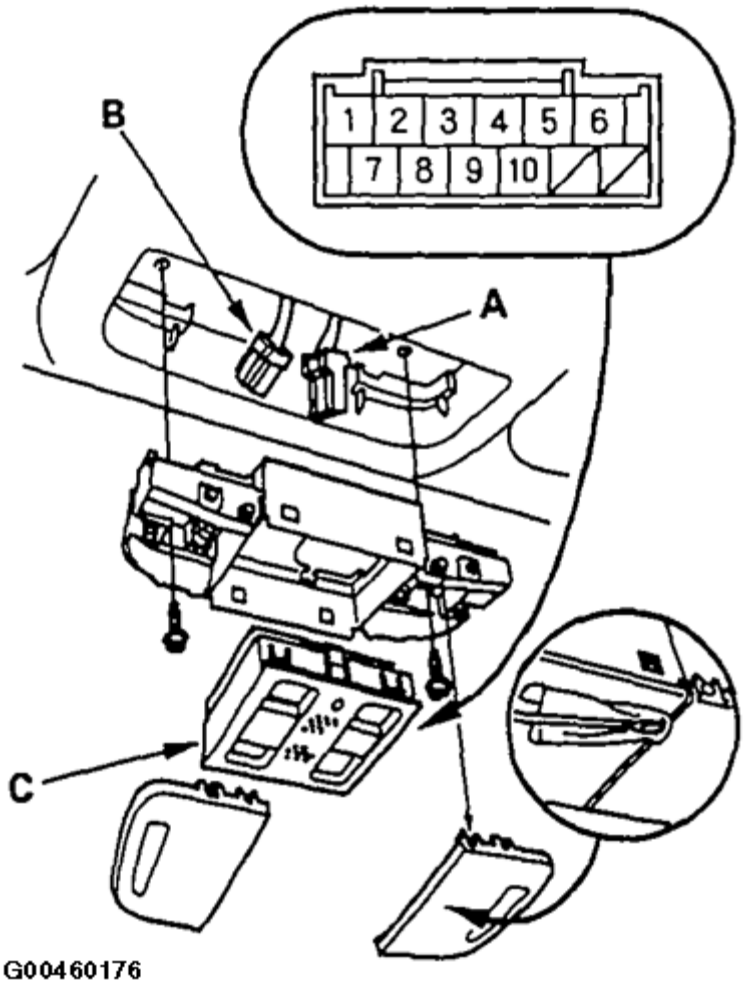



**Fig. 7: Identifying Moonroof 12P Connector**
**Courtesy of AMERICAN HONDA MOTOR CO., INC.**

3. Remove the moonroof switch (C).
4. Check for continuity between the terminals in each switch position according to **Fig. 6** .

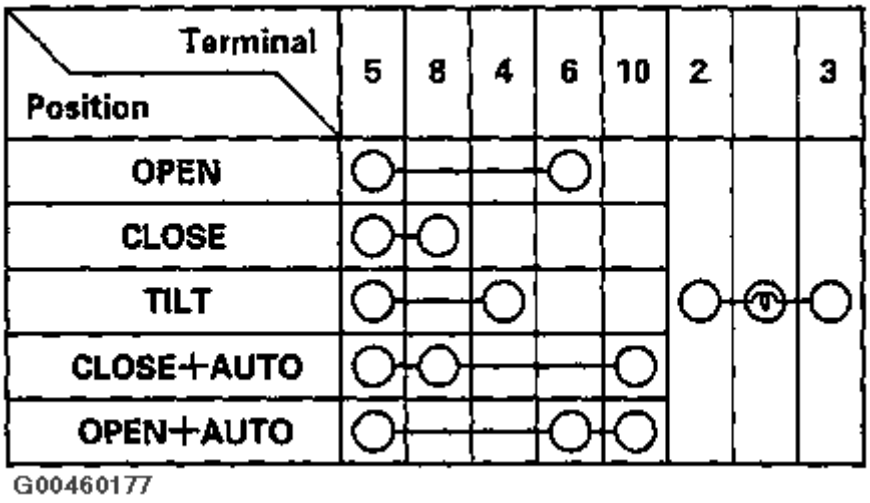



**Fig. 8: Identifying Moonroof Switch Continuity Table**
**Courtesy of AMERICAN HONDA MOTOR CO., INC.**

5. If the continuity check is not as specified, replace the illumination bulb (D) or the switch.
6. Install the switch and light in the reverse order of removal.